Theoretical Foundations 2008 Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-518
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Mar 19, 2008 Submission Window Date(s) (due by 5 p.m. proposer's local time): March 12, 2008 - March 19, 2008
Expected Number of Awards:	75
Estimated Total Program Funding:	$35,000,000
CFDA Number:	47.070 -- Computer and Information Science and Engineering
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

The Theoretical Foundations (TF) program supports basic research into the central issues underlying computer and information science and technology. Research and education projects sponsored by the program strengthen the intellectual foundations of algorithms and theoretical computer science, cryptography, network and communication theory, information theory, numeric and scientific computing, signal processing, and geometric algorithms, and bring advanced mathematical capabilities from these areas to bear on fundamental problems throughout science and engineering. The program encourages investigators to include in their proposals innovative curricula or educational materials to help advance the training of new experts in the cognate areas served by TF. The TF program will support a number of new projects in FY 2008, ranging from modest projects with average annual budgets of $60,000 all the way through well-integrated, multi-investigator projects with annual budgets in the $500,000 to $1,000,000 range.

Link to Full Announcement

NSF Publication 08-518
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16287

National Science Foundation
Emerging Models and Technologies for Computation (EMT) Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-517

Opportunity Category:	Discretionary
Expected Number of Awards:	20
Estimated Total Program Funding:	$16,000,000
CFDA Number:	47.070 -- Computer and Information Science and Engineering
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

The goal of the EMT program is to enable radical innovations in the software, hardware and architecture of computing and communication systems through the support of projects that capitalize upon research opportunities at the intersection of computing and biological systems, nanoscale science and engineering, quantum information science, and other promising areas of science and technology. Interdisciplinary collaborations involving computer scientists, engineers in various fields, physicists, chemists, mathematicians, and biologists are highly encouraged. Competitive proposals will move beyond incremental and evolutionary technological advances, stimulating seminal discoveries and innovations that will allow computing and communication systems to both work in radically different ways and make much greater contributions to society. In addition to advancing the research frontiers of computing and communications, the EMT program supports the development of innovative curricula and courseware that will help train future generations of engineers and scientists in emerging models and technologies for computation and communication. In FY 2008, the EMT program will fund research projects of three different types: Large - These projects typically involve four or more Principal Investigators (PIs) working in complementary fields of science or engineering, and their associated postdoctoral fellows and/or students; Medium - These projects typically involve two to four PIs with complementary research expertise and their associated postdoctoral fellows and/or students; and Small - These projects typically consist of a single PI and associated postdoctoral fellow and/or students.

Link to Full Announcement

NSF Publication 08-517

http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16288

National Science Foundation
George E. Brown, Jr. Network for Earthquake Engineering Simulation Research Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-519

Opportunity Category:	Discretionary
Current Closing Date for Applications:	Mar 18, 2008 Full Proposal Deadline(s): March 18, 2008
Expected Number of Awards:	12
Estimated Total Program Funding:	$9,000,000
Award Ceiling:	$3,600,000
Award Floor:	$100,000
CFDA Number:	47.041 -- Engineering Grants
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Others (see text field entitled "Additional Information on Eligibility" for clarification)

Additional Information on Eligibility:

Proposals may only be submitted by the following: Universities and Colleges: Universities and two- and four-year colleges (including community colleges) located and accredited in the US, acting on behalf of their faculty members may submit proposals as the lead organization. Such organizations also are referred to as academic institutions. Proposals involving more than one organization must be submitted as a single administrative package from the lead organization; collaborative proposals with multiple administrative packages will not be accepted. Research team: The project team for Individual Investigator, Small Group, and Grand Challenge proposals must include faculty and students involved in the research activities from a predominantly undergraduate institution, women's college, Historically Black College or University, Hispanic-Serving Institution, Indian Tribally Controlled College or University, Alaska Native-Serving Institution, or Native Hawaiian-Serving Institution.

Description

The Division of Civil, Mechanical, and Manufacturing Innovation (CMMI) in the Directorate for Engineering (ENG) of the National Science Foundation (NSF) invites proposals for research that uses the George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES) to advance knowledge discovery and innovation for (1) earthquake and tsunami loss reduction of our nation's civil infrastructure, and (2) new experimental simulation techniques and instrumentation for NEES. NEES comprises a network of 15 earthquake engineering experimental equipment sites available for experimentation on-site or in the field and through telepresence. NEES equipment sites include shake tables, geotechnical centrifuges, a tsunami wave basin, unique large-scale testing laboratory facilities, and mobile and permanently installed field equipment. The NEES networking cyberinfrastructure connects, via Internet2, the equipment sites as well as provides telepresence, a curated central data repository, simulation tools, and collaborative tools for facilitating on-line planning, execution, and post-processing of experiments. Projects proposed and funded under this solicitation must use one or more of the 15 NEES equipment sites and their related cyberinfrastructure. Proposals may be submitted in five categories:

Individual Investigator, Small Group, Grand Challenge, Simulation Development, and Payload.

Link to Full Announcement

NSF Publication 08-519

http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16295

National Science Foundation
Science of Science and Innovation Policy Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-520
Opportunity Category:	Discretionary
Posted Date:	
Current Closing Date for Applications:	Mar 18, 2008 Full Proposal Deadline(s): March 18, 2008 Full Research Proposals
Expected Number of Awards:	20
Estimated Total Program Funding:	$7,000,000
Award Ceiling:	$400,000
Award Floor:	$50,000
CFDA Number:	47.075 -- Social, Behavioral, and Economic Sciences
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Others (see text field entitled "Additional Information on Eligibility" for clarification)

Additional Information on Eligibility:

*Organization Limit: Proposals may only be submitted by the following: Universities and two-and four-year colleges (including community colleges) located and accredited in the US, acting on behalf of their faculty members and non-profit organizations in the US. Proposals from individuals, for-profit organizations or foreign organizations will not be accepted. However, individual researchers (not associated with any institution) and researchers at ineligible organizations (including foreign universities and colleges, private-sector research firms and consultants, and national laboratories) may be included on proposals from eligible institutions through subawards or as consultants. PI Limit: An individual may appear as Principal Investigator (PI), co-PI, or other senior personnel on only one SciSIP proposal submitted in FY 2008 in response to this Program Solicitation. This limitation includes proposals submitted by a lead organization, any sub-award submitted as part of a proposal, or any collaborative

proposal. Proposals that do not meet this requirement will be returned without review. These restrictions apply to this SciSIP solicitation only and are not meant to inhibit submissions of proposals by investigators to other NSF activities or programs. For the purposes of this solicitation, senior personnel include the PI, any co-PIs, and any other researchers actively involved in the scientific or technical management of the project. It does not include students, postdoctoral researchers, or consultants who provide specific expertise on a limited portion of the project.

Description

The Directorate for Social, Behavioral and Economic Sciences (SBE) at the National Science Foundation (NSF) aims to foster the development of the knowledge, theories, data, tools, and human capital needed to cultivate a new Science of Science and Innovation Policy (SciSIP). The SciSIP program underwrites fundamental research that creates new explanatory models, analytic tools and datasets designed to inform the nation's public and private sectors about the processes through which investments in science and engineering research are transformed into social and economic outcomes. SciSIP's goals are to understand the contexts, structures and processes of research, to evaluate reliably the tangible and intangible returns from investments in research and development (R&D), and to predict the likely returns from future R&D investments within tolerable margins of error and with attention to the full spectrum of potential consequences. Specifically, the research, data collection and community development components of SciSIP's activities will: (1) develop usable knowledge and theories of creative processes and their transformation into social and economic outcomes; (2) develop, improve and expand models and analytical tools that can be applied in the science policy decision making process; (3) improve and expand science metrics, datasets and analytical tools; and (4) develop a community of experts across academic institutions and disciplines focused on SciSIP. For purposes of this solicitation, the term & science metrics refers to quantitative measures or indicators that provide summary information on the size, scope, quality, and impact of science and engineering activities, with particular focus on inputs and outputs of the science, technology and innovation system. Characterizing the dynamics of discovery and innovation is important for developing valid metrics, for predicting future returns on investments, for constructing fruitful policies, and for developing new forms of workforce education and training. The FY 2008 competition includes three emphasis areas: Analytical Tools, Model Building, and Data Development and Augmentation. The emergent body of research will develop and utilize techniques for retrospective and prospective analyses. In addition, research will provide insight into factors that propagate new ideas at levels from the molecular functioning of the human brain to the organizational, state, national and international levels. This solicitation also calls for research that improves and expands science metrics and datasets. The utilization of virtual organizations or co laboratories by social and behavioral scientists in the discovery process is included in this call for research proposals.

Link to Full Announcement

NSF Publication 08-520

http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16296

National Science Foundation
CISE Pathways to Revitalized Undergraduate Computing Education Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-516
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Mar 11, 2008 Full Proposal Deadline(s): March 11, 2008
Expected Number of Awards:	30
Estimated Total Program Funding:	$5,000,000
Award Ceiling:	$1,000,000
Award Floor:	$50,000
CFDA Number:	47.070 -- Computer and Information Science and Engineering
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Others (see text field entitled "Additional Information on Eligibility" for clarification)

Additional Information on Eligibility:

*Organization Limit: Proposals may only be submitted by the following: - Organizational limits differ by CPATH project type as defined below: For CB projects. GPG eligibility guidelines apply. For CDP and TI projects. Universities and two- and four-year colleges (including community colleges) located and accredited in the United States, its territories or possessions, or the Commonwealth of Puerto Rico, that award degrees in a field supported by NSF are eligible to apply for CDP and TI awards. Such organizations also are referred to as academic institutions. CPATH proposals that describe partnerships with other organizations with a stake in undergraduate computing education are strongly encouraged. Partner organizations may include industry, professional societies, and not-for-profit organizations, amongst others. *PI Limit: At least one individual on the project leadership team (PI or co-PI) must be a member of the community served by CISE.

Description

Computing has permeated and transformed almost all aspects of our everyday lives. As computing becomes more important in all sectors of society, so does the preparation of a globally competitive U.S. workforce with the ability to generate and apply new knowledge to solve increasingly complex problems and understand human behavior. Unfortunately, despite the deep and pervasive

impact of computing and the creative efforts of individuals in a small number of institutions, undergraduate computing education today often looks much as it did several decades ago. The field of computing has broadened to include applications that often require integration of multidisciplinary domains to support computationally intense e-science environments. Emerging information technology disciplines offer unique opportunities to develop the next generation of computing education models that respond to technological trends and that meet many stakeholders' needs and expectations. At the same time, new transformative educational models have the potential to respond to current challenges such as addressing fluctuating enrollments in undergraduate computing, increasing relevance of educational experiences through industry connections, developing leaders and communities to foster revitalization efforts, and integrating fast-paced computing innovations into the curriculum. Future students will expect to see academic pathways that allow them to pursue careers that require blended experiences in multiple disciplines with a strong computational and computing core of knowledge. Models and methods based on computational thinking offer particular promise in meeting these expectations. Computational thinking involves solving problems and designing complex systems using a range of mental tools reflecting the breadth of the fields of computer science and computing. Computational thinking has already influenced the nature of many scientific disciplines and the range of scientific challenges that can be realistically conquered. Thus, computational thinking skills can provide the basis for transformative models for undergraduate computing education that offer exciting, relevant academic pathways in which students and faculty can thrive. Through the CISE Pathways to Revitalized Undergraduate Computing Education (CPATH) program, NSF's Directorate for Computer and Information Science and Engineering (CISE) is challenging its partners; colleges, universities and other stakeholders committed to advancing the field of computing and its impact - to transform undergraduate computing education on a national scale, to meet the challenges and opportunities of a world where computing is essential to U. S. leadership. The CPATH vision is of a U.S. workforce with the computing competencies and skills crucial to the Nation's health, security and prosperity in the 21st century. This workforce includes a cadre of professionals with the computing depth and breadth needed for sustained leadership in a wide range of application domains and career fields, and a broader professional workforce with deep knowledge and understanding of critical computing concepts, computational thinking methodologies and techniques. To achieve this vision, CISE is calling for colleges and universities to work together and with other stakeholders to formulate and implement plans to revitalize undergraduate computing education in the United States. The full engagement of faculty and other individuals in CISE disciplines will be critical to success. Successful CPATH projects will be systemic in nature and will demonstrate significant potential to contribute to the transformation and revitalization of undergraduate computing education on a national scale. CPATH will support three types of projects in two major track categories, Community Building and Institutional Transformation: Community Building Track Community Building (CB) Grants Institutional Transformation Track: Conceptual Development and Planning (CDP) Grants Transformative Implementation (TI) Grants

Link to Full Announcement
NSF Publication 08-516

http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16289

National Science Foundation
Physical Anthropology
Modification 3

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	PD-98-1392
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Jul 01, 2008 Full Proposal Target Date: July 1, 2008 Senior Research Full Proposal Target Date: December 3, 2008 Senior Research
CFDA Number:	47.075 -- Social, Behavioral, and Economic Sciences
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

The Physical Anthropology Program supports basic research in areas related to human evolution and contemporary human biological variation. Research areas supported by the program include, but are not limited to, human genetic variation, human adaptation, human osteology and bone biology, human and nonhuman primate paleontology, functional anatomy, and primate socioecology. Grants supported in these areas are united by an underlying evolutionary framework, and often a consideration of adaptation as a central theoretical theme. Many proposals also have a biocultural orientation. The program frequently serves as a bridge within NSF between the social and behavioral sciences and the natural and physical sciences, and proposals are commonly jointly reviewed and funded with other programs. For more information about the Crosscutting Research and Training Opportunities, please visit the Cross-Directorate Activities webpage. Here, you will find a brief synopsis about each program, as well as links guiding you to the appropriate Program Solicitations. Also, for more information on the Doctoral Dissertation Improvement Grants please visit the Physical Anthropology specific page. Under NSF's data sharing policy, the Foundation expects investigators to share with other researchers, at no more than incremental cost and within a reasonable time, the data, samples, physical collections, and other supporting materials created or gathered in the course of the work. To implement that policy in ways appropriate to Physical Anthropology and Archaeology,

beginning July 1, 2005 these Programs will require that all proposals include a one-page detailed description of the applicant's data access plan in the "Supplementary Documents" section. This page will be in addition to the standard 15-page project description. Applications lacking this statement will not be reviewed. The Programs realize that individual cases may differ widely and recognize that any absolute timeline or rigid set of rules is not possible. They also recognize that revision and adjustment may often be required as the work proceeds. The data access plan, however, will be considered an integral part of the project and therefore subject to reviewer and panel evaluation. Major departure from it will constitute a significant project change and require NSF approval. Successful applicants will be required to address this issue in every progress and final report. PIs on all awards made under these guidelines will be expected to discuss implementation of their plans in the "Results of Prior Research" section when they submit subsequent applications.

Link to Full Announcement

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5407
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=10664

National Science Foundation
Manufacturing Machines and Equipment
Modification 3

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	PD-05-1468
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Feb 15, 2008 Full Proposal Window: January 15, 2008 - February 15, 2008 Full Proposal Window: September 1, 2008 - October 1, 2008 Please reference the CMMI main page for further specifics concerning unsolicited proposal submission windows.
CFDA Number:	47.041 -- Engineering Grants
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

Since the advent of computers, manufacturing has been undergoing a transition from a skill-based activity to a knowledge-based activity. This transition has increased product uniformity, enabled greater manufacturing flexibility and substantially reduced manufacturing costs. A goal of the Manufacturing Machines and Equipment program is to accelerate this transition by helping to meet the knowledge needs of next-generation of manufacturing systems. A second goal is to provide technologies that could reduce the detrimental environmental and societal impacts of manufacturing, including manufacturing facility footprint, energy consumption, use of scarce or hazardous substances, and waste products. Toward the accomplishment of these goals, a focus of the program is to support research leading to an understanding of the physics of manufacturing operations, leading to improved predictive models and improved manufacturing decision making. Key research topics include the following: * Understanding and modeling of fundamental processes, such as cutting, drilling, grinding, EDM, ECM, and the various additive processes related to solid freeform fabrication, * Utilization and integration of sensors into the manufacturing process, * Machine and manufacturing system operation and control, including closed-loop control of manufacturing machines, tool path generation and operation sequencing, * Parts feeding, holding and fixturing, * Metrology and quality control, and * Manufacturing machine design. Program interest spans the full range of size scales from critical dimensions on the order of one micron and up (for smaller part dimensions, please refer to the NanoManufacturing program). Interest includes manufacturing with new and nonconventional materials, and new and nonconventional methods of material removal or addition. Small group proposals are encouraged as a means of gaining multi-disciplinary insights into key issue areas.

Link to Full Announcement

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13346
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=10772

National Science Foundation
Cyber Trust
Modification 1

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	08-521
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Mar 24, 2008 Full Proposal Deadline(s): March 24, 2008 December

	09, 2009 Second Wednesday in December, Annually Thereafter
Expected Number of Awards:	87
Estimated Total Program Funding:	$34,000,000
CFDA Number:	47.070 -- Computer and Information Science and Engineering
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

People depend on computers and communication, ranging from the networks for electronic mail, to systems that monitor the nation's critical infrastructure, to embedded RFID devices for tracking in transportation systems. These systems are expected to work and work as intended without placing people at needless risks. Unfortunately, vulnerabilities still exist that allow attackers to corrupt or commandeer systems, including those that provide support for critical societal infrastructure. Moreover, many systems are vulnerable to actions that can inhibit operation, corrupt valuable data or expose private information. In fact, the news is replete with stories of vulnerabilities that were exploited for ill. Future advances in computing promise substantial benefits for society and individuals; yet, unless trust in computing and communications can be assured, these benefits are at risk. The NSF Cyber Trust (CT) program promotes a vision of a society where trust enables technologies to support individual and societal needs without violating confidences and exacerbating public risks. It is a vision of cyber space that is supportive of our basic principles of fairness and safe information access. The goal of the NSF CT program is to develop new insights and fundamental scientific principles that lead to software and hardware technologies on which people can justifiably rely. To achieve the CT vision and simultaneously improve the Nation's cybersecurity posture, CT will support a portfolio of projects that: Contribute to the cybersecurity knowledge base, strengthen the foundations of cyber trust, and advance cybersecurity technologies; Define cyber trust broadly to include security, privacy, dependability, reliability, and usability; Address trustworthiness at all levels of system design, implementation, and use; Begin to integrate the technology produced by the research community, for example through novel security architectures; Consider social, economic, organizational and legal factors influencing cybersecurity; Validate theory through analysis, formal verification, experimentation and rigorous measurement; Explore innovative new concepts anticipating advances in technology and society; Encourage international collaborations; and, Educate and train a diverse workforce in cybersecurity and software technologies. Proposals funded will cover a broad range of disciplines contributing to the CT vision. Four types of CT projects will be supported, as defined below. Exploratory Research projects typically explore new and untested ideas, have budgets of up to $200,000 total, and have durations of up to 2 years; Single Investigator and Small Group projects typically involve 1-2 PIs and their students, have budgets of up to

$500,000 total, and have durations of up to 3 years; Medium projects demonstrate an active collaboration that brings together 2 or more PIs with complementary expertise to explore a common research problem, have budgets of up to $1,500,000 total, and have durations of up to 3 years; and, Large projects must focus on achieving a common goal or set of goals, articulate an effective collaboration and management plan, have budgets of up to $3,000,000 total, and have durations of up to 3 years.

Link to Full Announcement

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08521
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16305

National Science Foundation
Sociology
Modification 10

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	PD-98-1331
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Jan 15, 2008 Full Proposal Target Date: January 15, 2008 Regular Research Full Proposal Target Date: February 15, 2008 Dissertation Research Full Proposal Target Date: August 15, 2008 Regular Research Full Proposal Target Date: October 15, 2008 Dissertation Research
CFDA Number:	47.075 -- Social, Behavioral, and Economic Sciences
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

The Sociology Program supports research on human social organization, demography, and processes of individual and institutional change. The Program encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes. Included is research on organizations and organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification and mobility, family, social networks, socialization, gender roles, and the sociology of science and technology. In assessing the intrinsic merit of a proposed piece of research, four components are key to securing support from the Sociology Program: (1)

The issues investigated must be theoretically grounded. (2) The research should be based on empirical observation or be subject to empirical validation. (3) The research design must be appropriate to the questions asked. (4) The proposed research must advance our understanding of social processes or social structures.

Link to Full Announcement

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5369

http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=3009

National Science Foundation
Ethics Education in Science and Engineering Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-530
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Apr 03, 2008 Full Proposal Deadline(s): April 03, 2008 March 02, 2009 March 01, 2010
Expected Number of Awards:	12
Estimated Total Program Funding:	$2,400,000
Award Ceiling:	$300,000
Award Floor:	$15,000
CFDA Number:	47.041 -- Engineering Grants
CFDA Number:	47.049 -- Mathematical and Physical Sciences
CFDA Number:	47.050 -- Geosciences
CFDA Number:	47.070 -- Computer and Information Science and Engineering
CFDA Number:	47.074 -- Biological Sciences
CFDA Number:	47.075 -- Social, Behavioral, and Economic Sciences
CFDA Number:	47.076 -- Education and Human Resources
Cost Sharing or Matching Requirement:	No

Eligible Applicants

*Organization Limit: Proposals may only be submitted by the following: -Only colleges and universities located and accredited in the U.S. or U.S.-based professional associations are eligible to apply to this program. Other types of organizations can be included only as non-lead collaborators or sub-awardees. In addition, accredited U.S. colleges and universities and U.S. professional

associations can be non-lead collaborators or sub-awardees. *PI Limit: NSF expects project teams to include persons with appropriate expertise. This might include expertise in the domain or domains of science or engineering on which the project focuses, in ethics, in educational research, and in pedagogy.

Description

The Ethics Education in Science and Engineering (EESE) program accepts proposals for research and educational projects to improve ethics education in all of the fields of science and engineering that NSF supports, especially in interdisciplinary or inter-institutional contexts. Proposals must focus on improving ethics education for graduate students in those fields, although the proposed programs may benefit advanced undergraduates in addition to graduate students.

Link to Full Announcement

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08530

http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16405

National Science Foundation
Sensor Innovation and Systems
Modification 6

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	PD-05-1639
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Feb 15, 2008 Full Proposal Window: January 15, 2008 - February 15, 2008 Full Proposal Window: September 1, 2008 - October 1, 2008
CFDA Number:	47.041 -- Engineering Grants
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

The Sensor Innovation and Systems program supports research on acquiring and using information about civil and mechanical systems to improve their safety, reliability, cost and performance; knowledge base for development of advanced sensors for engineering solutions and strategic decision making for safety, security, and reliability and for implementation of real time adaptive system performance through dynamic response control, smart sensing and innovative actuating capabilities that use the sensed information; innovative sensor

technology development including micro devices based on five senses and their embedment, micro and wireless networks, analytical tools and strategies for health monitoring and diagnosis, and engineering for smart structures.

Link to Full Announcement

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13349
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=7643

National Science Foundation
Federal Cyber Service: Scholarship for Service Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-522
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Mar 20, 2008 Full Proposal Deadline(s): March 20, 2008
Expected Number of Awards:	16
Estimated Total Program Funding:	$5,700,000
Award Ceiling:	$3,500,000
Award Floor:	$150,000
CFDA Number:	47.076 -- Education and Human Resources
Cost Sharing or Matching Requirement:	No

Eligible Applicants

*Organization Limit: Proposals may only be submitted by the following: For the Scholarship Track, the proposing organization must be an accredited U.S. university or college that either (1) has been designated by the National Security Agency and the Department of Homeland Security as a Center of Academic Excellence in Information Assurance Education (CAE/IAE) or (2) has an information assurance program that meets criteria equivalent to those necessary for designation as a CAE/IAE. In the latter case, the proposal must demonstrate the program's qualifications for CAE/IAE designation. (See http://www.nsa.gov/ia/academia/caeCriteria.cfm for CAE/IAE criteria.) For the Capacity Building Track, the proposing organization may be either an accredited U.S. university or college or a consortium. The lead institution in a proposing consortium must either (1) have a CAE/IAE designation or (2) have an information assurance program that meets criteria equivalent to those necessary for CAE/IAE designation. In the latter case, the proposal must demonstrate the program's qualifications for CAE/IAE designation. (See http://www.nsa.gov/ia/academia/caeCriteria.cfm for CAE/IAE criteria.)

Description

The Federal Cyber Service: Scholarship for Service (SFS) program seeks to increase the number of qualified students entering the fields of information

assurance and computer security and to increase the capacity of the United States higher education enterprise to continue to produce professionals in these fields to meet the needs of our increasingly technological society. The SFS program is composed of two tracks: The Scholarship Track provides funding to colleges and universities to award scholarships to students in the information assurance and computer security fields. Scholarship recipients shall pursue academic programs in information assurance for the final two years of undergraduate study, or for two years of master's-level study, or for the final two years of Ph.D.-level study. These students will participate as a cohort during their two years of study and activities, including a summer internship in the Federal Government. A limited number of students may be placed in National Laboratories and Federally Funded Research and Development Centers (FFRDCs). This number shall be set by the program office each year. (See http://www.firstgov.gov/Agencies/federal.shtml for a list of Federal organizations, see http://www.science.doe.gov/National_Laboratories/ for a list of National Laboratories, see http://www.nsf.gov/statistics/nsf05306/ for a list of FFRDCs.) The recipients of the scholarships will become part of the Federal Cyber Service of Information Technology Specialists whose responsibility is to ensure the protection of the United States Government's information infrastructure. Upon graduation, after their two-year scholarships, recipients will be required to work for two years in the Federal Government. A limited number of students may be placed in National Laboratories and Federally Funded Research and Development Centers (FFRDCs). This number shall be set by the program office each year. The Capacity Building Track provides funds to colleges and universities to improve the quality and increase the production of information assurance and computer security professionals. Professional development of information assurance faculty and development of academic programs can be funded under this track.

Link to Full Announcement

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08522
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16327

National Science Foundation
High-Risk Research in Anthropology Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-523
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Full Proposal Deadline(s) (due by 5 p.m. proposer's local time): Proposals Accepted Anytime
Expected Number of Awards:	5
Estimated Total Program Funding:	$125,000

CFDA Number: 47.075 -- Social, Behavioral, and

	Economic Sciences
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

Anthropological research may be conducted under unusual circumstances, often in distant locations. As a result the ability to conduct potentially important research may hinge on factors that are impossible to assess from a distance and some projects with potentially great payoffs may face difficulties in securing funding. This program gives small awards that provide investigators with the opportunity to assess the feasibility of an anthropological research project. The information gathered may then be used as the basis for preparing a more fully developed research program. Projects which face severe time constraints because of transient phenomena or access to materials may also be considered. Investigators must contact the cognizant NSF Program Director before submitting an HRRA proposal. This will facilitate determining whether the proposed work is appropriate for HRRA support.

Link to Full Announcement

NSF Publication 08-523

http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16337

National Science Foundation
Centers of Research Excellence in Science and Technology Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-528
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Apr 08, 2008 02/05/08 Ltr of Intent (req.) CREST Centers, HBCU-RISE Full Prop. Deadlines: 04/08/08 (CREST Centers, CREST Partnership Supp, HBCU-RISE) 04/10/08 Innov / Inst. Integration Target Date: 03/14/08 SBIR/STTR Diversity Collab. Supp (Spring 2008 Rqst)
Funding Instrument Type:	Cooperative Agreement
Expected Number of Awards:	40
Estimated Total Program Funding:	$22,500,000
Award Ceiling:	$5,000,000

Award Floor:	$75,000
CFDA Number:	47.041 -- Engineering Grants
CFDA Number:	47.076 -- Education and Human Resources
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Others (see text field entitled "Additional Information on Eligibility" for clarification)

Additional Information on Eligibility:

*Organization Limit: Proposals may only be submitted by the following: CREST - CREST proposals are invited from minority-serving institutions of higher education in the United States. This denotes institutions that have enrollments of 50% or more of members of minority groups underrepresented among those holding advanced degrees in science and engineering fields: Alaskan Natives, African Americans, American Indians, Hispanic Americans, and Native Pacific Islanders. Preference will be given to institutions with demonstrated strengths in NSF-supported fields, as evidenced by a developing capacity to offer doctoral degrees in one or more science, technology, engineering, or mathematics disciplines. Institutions must also demonstrate a willingness and capacity to serve as a resource center in one or more research areas, as well as possess a demonstrated commitment and track record in enrolling and graduating minority scientists and engineers, and strong collaborations in the proposed field of research. Priority consideration will be given to science and engineering disciplines or research areas where minorities are significantly underrepresented. HBCU-RISE - HBCU-RISE proposals are invited from Historically Black Colleges and Universities that offer doctoral degrees in science, technology, engineering and mathematics disciplines. SBIR /STTR - SBIR/STTR diversity collaborative supplement proposals are invited from current SBIR/STTR grantees and their CREST or HBCU-RISE institution partners. I^3- Eligibility for Innovations through Institutional Integration (I^3) is limited to institutions of higher education (including two- and four-year colleges) located and accredited in the US, acting on behalf of their faculty members. *PI Limit: Principal investigators for CREST, HBCU-RISE, and SBIR/STTR awards must be United States citizens or nationals, or permanent resident aliens of the United States. PIs must also be employed by a CREST, HBCU-RISE or SBIR/STTR-eligible institution. The Principal Investigator for an Innovation through Institutional Integration (I^3) proposal must be the university provost or equivalent, unless the proposal is exclusively for I^3 STEM educational or related research.

Description

The Centers of Research Excellence in Science and Technology (CREST) program makes resources available to enhance the research capabilities of minority-serving institutions through the establishment of centers that effectively integrate education and research. CREST promotes the development of new knowledge, enhancements of the research productivity of individual faculty, and an expanded presence of students historically underrepresented in STEM

disciplines. Awards are offered as new centers, supplements to existing centers, proposals for the CREST Historically Black Colleges and Universities Research Infrastructure for Science and Engineering (HBCU-RISE) initiative, or supplements to CREST/HBCU-RISE-eligible awardees for diversity collaboration in projects co-funded with NSF's Small Business Innovation Research and Small Business Technology Transfer (SBIR/STTR) programs, which are administered by NSF's Directorate for Engineering. Innovation through Institutional Integration (I3) projects enable institutions to think and act strategically about the creative integration of NSF-funded awards, with particular emphasis on awards managed through programs in the Directorate for Education and Human Resources (EHR), but not limited to those awards. For Fiscal Year 2008, proposals are being solicited in six EHR programs that advance I3 goals: CREST, ITEST, MSP, Noyce, RDE, and TCUP.

Link to Full Announcement

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08528
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16387

National Science Foundation
Petascale Computing Resource Allocations Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-529
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Mar 31, 2008 Full Proposal Deadline(s): March 31, 2008 March 17, 2009 March 17, Annually Thereafter
Expected Number of Awards:	12
Estimated Total Program Funding:	$500,000
Award Floor:	$40,000
CFDA Number:	47.080 -- Office of Cyberinfrastructure
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

In 2011, a new NSF-funded petascale computing system, Blue Waters, will go online at the University of Illinois. The goal of this facility is to open up new possibilities in science and engineering by providing computational capability that makes it possible for investigators to tackle much larger and more complex research challenges across a wide spectrum of domains. The purpose of this

solicitation is to invite research groups that have a compelling science or engineering challenge that will require petascale computing resources to submit requests for allocations of resources on the Blue Waters system. Proposers must be prepared to demonstrate that they have a science or engineering research problem that requires and can effectively exploit the petascale computing capabilities offered by Blue Waters. Proposals from or including junior researchers are encouraged as one of the goals of this solicitation is to build a community capable of using petascale computing.

Link to Full Announcement

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08529
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16399

National Science Foundation
Networking Technology and Systems Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-524
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Mar 25, 2008 Full Proposal Deadline(s): March 25, 2008
Expected Number of Awards:	80
Estimated Total Program Funding:	$40,000,000
Award Ceiling:	$500,000
Award Floor:	$150,000
CFDA Number:	47.070 -- Computer and Information Science and Engineering
Cost Sharing or Matching Requirement:	No

Eligible Applicants

*PI Limit: While the majority of NeTS PIs are faculty at academic institutions, researchers from for-profit organizations may also serve as PIs, co-PIs, Senior Personnel, or sub-contractors in NeTS projects. However, NeTS will not provide salary or related support for individuals from for-profit organizations. NeTS will provide support for graduate students working in collaborative university-industry projects.

Description

The Networking Technology and Systems (NeTS) program supports pioneering visions and transformative research agendas that explore the frontiers of networking, provide a better understanding of the dynamics of large-scale networks, expand networking capabilities and use, and help pave the way for the next generation Internet. Since its inception, the NeTS program has continuously sought to ensure that its mission and scope is at the forefront of research. In

previous years, the program identified core networking technologies worthy of further investigation, emphasized the importance of future Internet design, and encouraged groundbreaking research in broadly defined areas of networking. In FY 2008, the NeTS program is organized by research challenges, rather than core technologies, and emphasizes multi-disciplinary, holistic approaches that augment our knowledge about the design and deployment of robust, large-scale, heterogeneous networks. This solicitation invites innovative, forward-looking research projects in the following five areas: Networking at the Edges (NEDG); Network Ecosystems (NECO); Aware Networking (ANET); Exploratory Networking (XPLR); and Future Internet Design (FIND) Proposals may be submitted in one of the following three categories: Small - projects with total budgets up to $450K and durations of up to 3 years (with maximum annual budgets of $150K). Team - projects with total budgets up to $2.0M, and durations of up to 4 years (with maximum annual budgets of $500K). Planning grants, workshops and other community building activities: Proposals in this category must be discussed with a NeTS program officer prior to submission. Planning grants will be funded at levels up to $100K/year for up to two years. Workshops in new or emerging areas in networking research and education will be funded at levels up to $50K for one year.

Link to Full Announcement

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08524
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16360

National Science Foundation
Innovative Technology Experiences for Students and Teachers Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-526
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Apr 11, 2008 Letter of Intent Due Date (required) (due by 5 p.m. proposer's local time): February 15, 2008 for ITEST only Full Proposal Deadlines: April 10, 2008 for Innovation through Institutional Integration (I^3) April 11, 2008 for ITEST
Expected Number of Awards:	36
Estimated Total Program Funding:	$32,000,000
Award Ceiling:	$5,000,000
Award Floor:	$300,000
CFDA Number:	47.076 -- Education and Human Resources
Cost Sharing or Matching Requirement:	No

Eligible Applicants

*Organization Limit: Proposals may only be submitted by the following: - Only U.S. organizations located in the U.S. are eligible to apply; see the NSF Grant Proposal Guide (GPG) for further information. All organizations with an educational mission are eligible. Eligibility for Innovation through Institutional Integration (I³) is limited to institutions of higher education (including two- and four-year colleges) located and accredited in the US, acting on behalf of their faculty members. *PI Limit: The PI for an Innovation through Institutional Integration (I³) proposal must be the university provost or equivalent, unless the proposal is exclusively for I³ STEM educational or related research.

Description

What does it take to effectively interest and prepare students as participants in the science, technology, engineering, and mathematics (STEM) workforce of the future? What are the knowledge, skills, and dispositions that students need in order to participate productively in the changing workforce in STEM, particularly in STEM-related information and communication technology (ICT) areas? How do they acquire them? What will ensure that the nation has the capacity it needs to participate in transformative, innovative STEM advances? How can we assess and predict inclination to participate in the STEM fields and how can we measure and study impact of various models to encourage that participation? The program responds to current concerns and projections about shortages of STEM professionals and information technology workers in the United States and seeks solutions to help ensure the breadth and depth of the STEM workforce. ITEST supports the development, implementation, testing and scale-up of models, as well as research studies to address these questions and to find solutions. There are a variety of possible approaches to improving the STEM workforce and to building students; capacity to participate in it. NSF seeks to expand the existing ITEST portfolio by addressing students at any age for grades kindergarten through high school and by including all areas of the STEM workforce, while retaining an emphasis on technology-related areas. This ITEST announcement extends the previous ITEST announcement by placing greater emphasis on capturing and establishing a reliable knowledge base about the dispositions toward and knowledge about STEM workforce skills among U.S. students. The previous awards by the ITEST program have established a strong foundation upon which to enlarge a scientific basis for educational programs in STEM education. Three types of projects are invited. Strategies projects will include the design, implementation, and evaluation of models for classroom, after-school, summer, virtual, and/or year-round learning experiences for students and/or teachers to encourage students; readiness for, and their interest and participation in, the STEM workforce. Scale-up projects would implement and test models about preparing students for information technology or the STEM workforce in a large-scale setting such as a state or national level based on evidence of demonstrated success. Studies projects are research projects to enrich understanding of issues related to enlarging the STEM workforce, including efficacy and effectiveness studies of intervention models, longitudinal studies of efforts to engage students in the STEM areas, development of instruments to reliably and validly assess engagement, persistence, and other relevant constructs, or studies to identify predictors of student inclination to pursue STEM

career trajectories. NSF is especially interested in projects that target students who are underserved and underrepresented in STEM ICT-intensive careers, including those residing in rural and economically disadvantaged communities. Innovation through Institutional Integration (I3) projects enable institutions to think and act strategically about the creative integration of NSF-funded awards, with particular emphasis on awards managed through programs in the Directorate for Education and Human Resources (EHR), but not limited to those awards. For Fiscal Year 2008, proposals are being solicited in six EHR programs that advance I3 goals: CREST, ITEST, MSP, Noyce, RDE, and TCUP.

Link to Full Announcement

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08526
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16362

National Science Foundation
Math and Science Partnership Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-525
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Mar 25, 2008 Ltr of Int 02/18/08 Optional-Targ. Part., Inst. Part., MSP-Start Part., Phase II Part., RETA Proj. Full Proposal: 03/25/08 Targ. Part., Inst. Part., MSP-Start Part., Phase II Part., RETA Proj. 04/10/08 Innov through Inst Integration
Funding Instrument Type:	Cooperative Agreement
Expected Number of Awards:	36
Estimated Total Program Funding:	$40,000,000
Award Ceiling:	$2,500,000
Award Floor:	$100,000
CFDA Number:	47.076 -- Education and Human Resources
Cost Sharing or Matching Requirement:	No

Eligible Applicants

*Organization Limit: Proposals may only be submitted by the following: For all Targeted, Institute, MSP-Start and Phase II Partnerships, one of the core partner organizations serves as the LEAD partner and submits the MSP proposal on behalf of the Partnership. The lead partner accepts management and fiduciary responsibility for the project. Lead partner eligibility for any of the Partnership categories; Targeted, Institute, MSP-Start or Phase II - is limited to an institution of higher education or an eligible non-profit organization (or consortia of such institutions or organizations). Eligibility for Phase II Partnerships is limited to institutions of higher education that were partners in previously funded Comprehensive or Targeted Partnerships whose work began in 2002 or 2003.

Eligibility for Research, Evaluation and Technical Assistance (RETA) projects is open to all categories of proposers identified in the NSF Grant Proposal Guide. Any proposal to the MSP Program should be a single submission that includes support for all partners that are requesting funding from NSF. Eligibility for Innovation through Institutional Integration (I³) is limited to institutions of higher education (including two- and four-year colleges) located and accredited in the US, acting on behalf of their faculty members. *PI Limit: The PI of a proposal for any of the Partnership categories; Targeted, Institute, MSP-Start or Phase II -- must be a faculty member in a mathematics, science or engineering department in a higher education core partner. One or more co-Principal Investigators must be representative(s) from the K-12 core partner organization(s). The PI for an Innovation through Institutional Integration (I^3) proposal must be the university provost or equivalent, unless the proposal is exclusively for STEM educational or related research.

Description

The Math and Science Partnership (MSP) program is a major research and development effort that supports innovative partnerships to improve K-12 student achievement in mathematics and science. MSP projects are expected to raise the achievement levels of all students and significantly reduce achievement gaps in the mathematics and science performance of diverse student populations. In order to improve the mathematics and science achievement of the Nation's students, MSP projects contribute to the knowledge base for mathematics and science education and serve as models that have a sufficiently strong evidence base to be replicated in educational practice. In this solicitation, NSF seeks to support six types of awards: Targeted Partnerships focus on studying and addressing issues within a specific grade range or at a critical juncture in education, and/or within a specific disciplinary focus in mathematics or the sciences; Institute Partnerships; Teacher Institutes for the 21st Century are designed to meet national needs for teacher leaders/master teachers who have deep knowledge of disciplinary content and are school- or district-based intellectual leaders in mathematics and science; MSP-Start Partnerships are for awardees new to the MSP program, especially from minority-serving institutions, community colleges and primarily undergraduate institutions, to support the necessary data analysis, project design, evaluation and team building activities needed to develop a full MSP Targeted or Institute Partnership; Phase II Partnerships for prior MSP Partnership awardees focus on specific innovative areas of their work where evidence of significant positive impact is clearly documented and where an investment of additional resources and time would produce more robust findings and results; Research, Evaluation and Technical Assistance (RETA) projects directly support the work of the Partnerships, especially by developing tools to assess teachers; growth in the knowledge of mathematics or the sciences needed for teaching, conducting longitudinal studies of teachers and their students who participate in the MSP projects, or engaging the national disciplinary and professional societies in MSP work; and Innovation through Institutional Integration (I3) projects enable institutions to think and act strategically about the creative integration of NSF-funded awards, with particular emphasis on awards managed through programs in the Directorate for Education and Human Resources (EHR), but not limited to those awards. For Fiscal Year 2008, proposals are being solicited in six EHR programs that advance I3 goals: CREST, ITEST, MSP, Noyce, RDE, and TCUP.

Link to Full Announcement

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08525
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16367

National Science Foundation
Research in Disabilities Education Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-527
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Apr 11, 2008 04/10/08 Innov through Inst. Integration 04/11/08 Reg. Alliances for Persons with Disabilities in STEM Educ (RDE-RAD) 04/11/08 Demonstration, Enrichment, and Info. Dissemination (RDE-DEI) 04/21/08 Focused Research Init. (RDE-FRI)
Funding Instrument Type:	Cooperative Agreement
Expected Number of Awards:	20
Estimated Total Program Funding:	$4,200,000
Award Ceiling:	$3,000,000
Award Floor:	$100,000
CFDA Number:	47.076 -- Education and Human Resources
Cost Sharing or Matching Requirement:	No

Eligible Applicants

*Organization Limit: Proposals may only be submitted by the following: For the RDE-RAD, RDE-FRI, and RDE-DEI tracks: Non-profit, non-academic organizations: Independent museums, observatories, research labs, professional societies and similar organizations in the U.S. associated with educational or research activities, and universities and colleges: U.S. universities and two- and four-year colleges (including community colleges). Eligibility for Innovation through Institutional Integration (I^3) is limited to institutions of higher education (including two- and four-year colleges) located and accredited in the US, acting on behalf of their faculty members. *PI Limit: None specified for the RDE-RAD, RDE-FRI, and RDE-DEI tracks. The PI for an Innovation through Institutional Integration (I^3) proposal must be the university provost or equivalent, unless the proposal is exclusively for I^3 STEM educational or related research.

Description

The RDE program seeks to broaden the participation and achievement of people with disabilities in all fields of science, technology, engineering, and mathematics (STEM) education and associated professional careers. The RDE program has

been funding this objective since 1994 under the prior name & Program for Persons with Disabilities; Particular emphasis is placed on increasing the number of students with disabilities successfully completing quality associate, undergraduate and graduate degrees in STEM and increasing the number of students with disabilities entering the professional STEM workforce. This goal is addressed by three RDE program tracks: Regional Alliances for Persons with Disabilities in STEM Education (RDE-RAD); Focused Research Initiatives (RDE-FRI); and Demonstration, Enrichment, and Information Dissemination projects (RDE-DEI). Innovation through Institutional Integration (I3) projects enable institutions to think and act strategically about the creative integration of NSF-funded awards, with particular emphasis on awards managed through programs in the Directorate for Education and Human Resources (EHR), but not limited to those awards. For Fiscal Year 2008, proposals are being solicited in six EHR programs that advance I3 goals: CREST, ITEST, MSP, Noyce, RDE, and TCUP.

Link to Full Announcement

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08527
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16368